

IN THE CLAIMS:

Please amend claim 170 as follows:

1-169. (Cancelled)

170. (Currently Amended) An electrically controlled birefringence (ECB) type liquid crystal display device comprising:

a first substrate and a second substrate for sandwiching a liquid crystal having a negative dielectric constant anisotropy, and orientations of the liquid crystal being vertical to the first and second substrates when no voltage is applied,

said first substrate including first domain regulating means for ~~also~~ regulating ~~said~~ azimuths of the orientations of said liquid crystal when a voltage is applied to said liquid crystal, and

said second substrate including second domain regulating means for also regulating said azimuths of the orientations of said liquid crystal when a voltage is applied to said liquid crystal,

wherein when vertically seen to the substrates, said first domain regulating means includes first line portions and second line portions, said first line portions being extended in a first direction, said second line portions being extended in a second direction different from said first direction, said second domain regulating means includes third line

portions and fourth line portions, said third line portions being extended in said first direction, said fourth line portions being extended in said second direction, said first and third line portions being arranged to be neighbored and to be approximately parallel to each other, and said second and fourth line portions being arranged to be neighbored and to be approximately parallel to each other, and

wherein the device is a non-scattering type.

171. (Previously Presented) A liquid crystal display device according to claim 170, said first and second domain regulating means includes protrusions, depressions, slits, or combinations thereof.

172. (Previously Presented) A liquid crystal display device according to claim 171, wherein at least four kinds of domains, in which said orientations of said liquid crystal are substantially different, are formed when a voltage is applied to said liquid crystal.

173. (Previously Presented) A liquid crystal display device according to claim 172, wherein a difference angle between said first and second directions is about 90 degrees.

174. (Previously Presented) A liquid crystal display device according to claim 172, wherein said first and second directions differ from edges of pixel electrodes by about 45 degrees.

175. (Previously Presented) A liquid crystal display device according to claim 170, wherein said line portions of said first and second domain regulating means are repeatedly arranged with a predetermined pitch respectively on said first and second substrates.

176. (Previously Presented) A liquid crystal display device according to claim 170, wherein said line portions of said first and second domain regulating means are bent in a generally zigzag shape.

177. (Previously Presented) A liquid crystal display device according to claim 175, wherein said first and second domain regulating means are offset by half of said predetermined pitch.

178. (Previously Presented) An electrically controlled birefringence (ECB) type liquid crystal display device comprising:

a first substrate and a second substrate for sandwiching a liquid crystal having a negative dielectric constant anisotropy, and orientations of the liquid crystal being vertical to the first and second substrates when no voltage is applied,

said first substrate including first domain regulating means for regulating azimuths of the orientations of said liquid crystal when a voltage is applied to said liquid crystal, and

said second substrate including second domain regulating means for also regulating said azimuths of the orientations of said liquid crystal when a voltage is applied to said liquid crystal,

wherein when vertically seen to the substrates, said first domain regulating means includes first line portions and second line portions, said first line portions being extended in a first direction, said second line portions being extended in a second direction different from said first direction, said second domain regulating means includes third line portions and fourth line portions, said third line portions being extended in said first directions, said fourth line portions being extended in said second direction, said first and third line portions being arranged to be neighbored and to be approximately parallel to each other, said second and fourth line portions being arranged to be neighbored and to be approximately parallel to each other, and all of said first, second, third, and fourth line portions existing within each of a plurality of pixels, and

wherein the device is a non-scattering type.

179. (Previously Presented) A liquid crystal display device according to claim 178, wherein said line portions of said first and second domain regulating means are arranged with a predetermined pitch respectively on said first and second substrates.

180. (Previously Presented) A liquid crystal display device according to claim 179, wherein said predetermined pitch is an integral submultiple of said arranged pitch of said pixels.

181. (Previously Presented) A liquid crystal display device according to claim 179, wherein said line portions of said first and second domain regulating means are bent in a generally zigzag shape.

182. (Previously Presented) A liquid crystal display device according to claim 179, wherein said line portions of said first and second domain regulating means are offset by half of said predetermined pitch.

183. (Previously Presented) An electrically controlled birefringence (ECB) type liquid crystal display device comprising:

a first substrate and a second substrate for sandwiching a liquid crystal having a negative dielectric constant anisotropy, and orientations of the liquid crystal being vertical to the first and second substrates when no voltage is applied,

said first substrate including first domain regulating means for regulating azimuths of the orientations of said liquid crystal when a voltage is applied to said liquid crystal, and

said second substrate including second domain regulating means for also regulating said azimuths of the orientations of said liquid crystal when a voltage is applied to said liquid crystal,

wherein, when vertically seen to the substrates, said first domain regulating means includes first line portions being extended in a first direction, said second domain regulating means includes second line portions being extended in a second direction, said first line portions being arranged to be approximately parallel to each other at a predetermined pitch and second line portions being arranged to be approximately parallel to each other at said predetermined pitch, and said first and second line portions being crossed, and

wherein the device is a non-scattering type.

184. (Previously Presented) A liquid crystal display device according to claim 183, wherein when vertically seen to the substrates, said first domain regulating means

further includes third line portions being extended in said second direction, said second domain regulating means further includes fourth line portions being extended in said first direction, said third portions being arranged to be approximately parallel to each other, said fourth line portions being arranged to be approximately parallel to each other, and said third and fourth line portions being crossed.

185. (Previously Presented) A liquid crystal display device according to claim 184, wherein when vertically seen to the substrates, said first, second, third, and fourth line portions respectively being extended continuously, said first and third line portions being crossed to form quadrangles, said second and fourth line portions being crossed to form quadrangles, and said quadrangles formed by said first and third line portions and said second and fourth line portions being offset.

186. (Previously Presented) A liquid crystal display device according to claim 185, wherein when vertically seen to the substrates, said arrangement offset of said quadrangles is a half of said predetermined pitch.

187. (Previously Presented) A liquid crystal display device according to claim 185, wherein when vertically seen to the substrates, said first direction and said second direction cross at right angles.